

WELL SUMMARY

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Location ID: BLM-26-404 Field Representative(s): M. Canavan

Date Started: 10/10/91 Date Completed: 11/05/91

Northing: 230627.14 Easting: 408641.42

Brass Cap: 4664.97 Outer Casing: 4667.19 Inner Casing: 4667.67

Drilling Method: Mud rotary/air-foam Drilling Contractor: Larjon Drilling Co.

Driller: J. Gower

Total Depth Borehole: 462' Total Depth Well Casing: 420.13'

Total Depth Surface Casing: 62'

Diameter Well Casing: 4" Diameter Surface Casing: 10"

Length of Bottom Blank: 5'

Type of Screen: extra strength 0.02 slot

Screen Interval: 404' to 414'

Water First Detected: 408' Water Level Open Borehole: 298.24' (G.S.)

Water Level Cased Borehole: 299.66' (T.O.C.)

Quik-Foam Use: 4 gallons

Estimated Water Use: 4,800 gallons

Well Casing:

4in x 3ft SCD 40 PVC:		stock SS centralizers:	
4in x 5ft SCD 40 PVC:		custom SS centralizers: 1 set	
4in x 10ft SCD 40 PVC:		4"x2' SS locking riser: 1	
4in x 20ft SCD 40 PVC:		4" SS locking cap: 1	
Total SCD 40 PVC pipe:	ft	4" SS female cap: 1	
		ASTM male adaptor: 1	
		Johnson male adaptor:	1
4in x 3ft SCD 5 SS pipe:			
4in x 5ft SCD 5 SS pipe:	1	4in x 5ft SCD 10 SS pipe:	1
4in x 10ft SCD 5 SS pipe:	38	4in x 10ft SCD 10 SS pipe:	2
4in x 20ft SCD 5 SS pipe:		4in x 20ft SCD 10 SS pipe:	
Total SCD 5 SS pipe:	385 ft	Total SCD 10 SS pipe:	25 ft

Well Completion:

100# bags 16/40 sand:	6.5	bags
100# bags 10/20 sand:		bags
100# bags 8/14 sand:		bags
100# bags 8/20 sand:	13	bags
100# bags 3 sand:	53	bags
94# bags cement:	105	bags
5 gal. buckets bentonite:		buckets
50# bentonite powder:	11	bags
Benseal:		bags

Surface Casing:

94# bags cement:	35	bags
50# bags bentonite powder:	4	bags
Grout:		bags

Pertinent Field Notes:

10/09/91	Mobilize to BLM-26. - Canavan
10/10/91	Spud. Drilled pilot hole 0'-62'. Reamed to 30'. - Canavan
10/11/91	Reamed borehole 30'-62'. Installed and grouted 62' of 10" steel surface casing. - Canavan
10/15/91	Demobilized Franks rig and mobilized BE to site. - Canavan
10/16/91 - 10/18/91	No drilling. Driller is ill. Larjon doing equipment maintenance. - Canavan
10/21/91	Drilled air/foam 62'-287'. Used 1,800 gallons water. - Canavan
10/22/91	Drilled 287'-437'. Water first detected by driller at 408'. Bedrock tuff at 310'. Rhyolite at 405'. - Canavan
10/23/91	Borehole sloughed 14' overnight to 424'. Tripped in and cleaned hole to 437'. Drilled to 462' to accommodate slough. TD = 462'. - Canavan

- 10/24/91 Southwest Surveys ran full suite of geophysical logs. Poured filler sand and pumped bottom plug. - Canavan
- 10/25/91 Installed 423.39' of casing. Poured gravel pack and pumped top plug. Screen interval 404'-414'. - Canavan
- 10/28/91 Poured filler sand from top of plug (390.67') to 284.33'. Poured first load of grout (70 bags cement; 7 bags bentonite; 650 gallons water). - Canavan
- 10/29/91 Sounded top of grout at 109.75'. Poured second load of grout (35 bags cement; 4 bags bentonite; 340 gallons water). - Canavan
- 11/01/91 Pumped well for development. Pumped 885 gallons for a total of 1005 gallons removed from well. Parameters stabilized and NTU's below 2.0. Well is developed. - Contaldo
- 11/05/91 Pulled pump. Turned well over to Lockheed for preliminary sampling. - Menzie